Transforming Army Management of Individual Chemical Protective Equipment

Mobility Inventory Control and Accountability System
Used in Individual Protective Equipment Management

Major John Ensor

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Briefing Purpose

- Describe the capabilities of Mobility Inventory Control and Accountability System (MICAS) in IPE management
- Show MICAS applicability to Special Operations Command inventory management requirements

IPE Asset Visibility

- Current standard Army automated information systems (STAMIS) cannot handle IPE management needs:
  - Shelf-life management; surveying of stock for approaching inspections
  - Resulted in ineffective local home-grown software solutions to fill need
- GAO and DoDIG documented issues associated with a lack of asset visibility
- Initial versions of future STAMIS do not include capability to handle IPE management needs
- Army needs an immediate interim solution

Army Interim Solution

Mobility Inventory Control Accountability System (MICAS)

- Is an USAF inventory management system operating at 185+ locations throughout the Air Force
- Tracks shelf-life visibility of stored and issued assets down to an individual soldier
- Can verify serviceability of assets prior to issue
- Provides capability to roll-up asset visibility to higher levels
- Can download IPE surveillance data via the web to automatically update expiration dates and condition codes
- Provides full suite of barcode production and scanning
- Runs on a standard PC and is Microsoft compatible
- Is Government owned and requires no development costs

How Will Army Use MICAS?

- Initial application will focus on inventory management and asset visibility at installation/unit warehouse and depots. (Initial fielding)
- Future applications may include individual issue and Central Issue Facility management.
- Efforts on-going to develop tactical-level module to facilitate asset visibility and IPE management at the unit level.

Army MICAS Fielding and Implementation

- Army MICAS program manager designated
- Identifying standard AIT COTS packages
- Establishing standardized installation processes
- Plan to field by Army Corps
- Phase fielding in CONUS and then OCONUS beginning in 2QFY04

MICAS Key Features

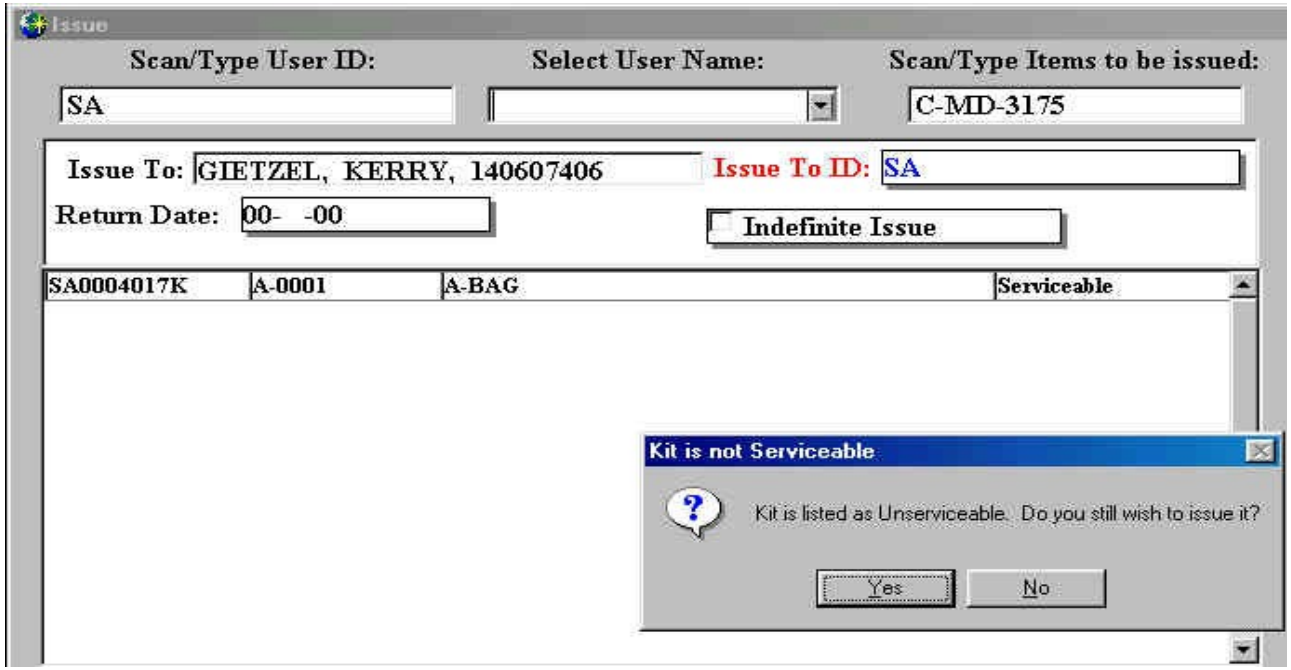
- Automatic import of contract / lot testing results
- AIT enabled but not required
- Maintains shelf-life data (contract, Lot #, DOM, DOE)
- Tracks and manages shelf-life of on-hand and issued assets
- Extensive reporting and audit capability
- Shelf-life forecasting and tariff capabilities to forecast procurements and contingency requirements

MICAS Key Features

- Includes core warehouse functions
- Tracks and manages shelf-life of on-hand and issued assets
- Safeguards against issuing expired stock
- Distributed databases with roll-up reporting capability via e-mail … increases security
- Use of automatic data collection and identification

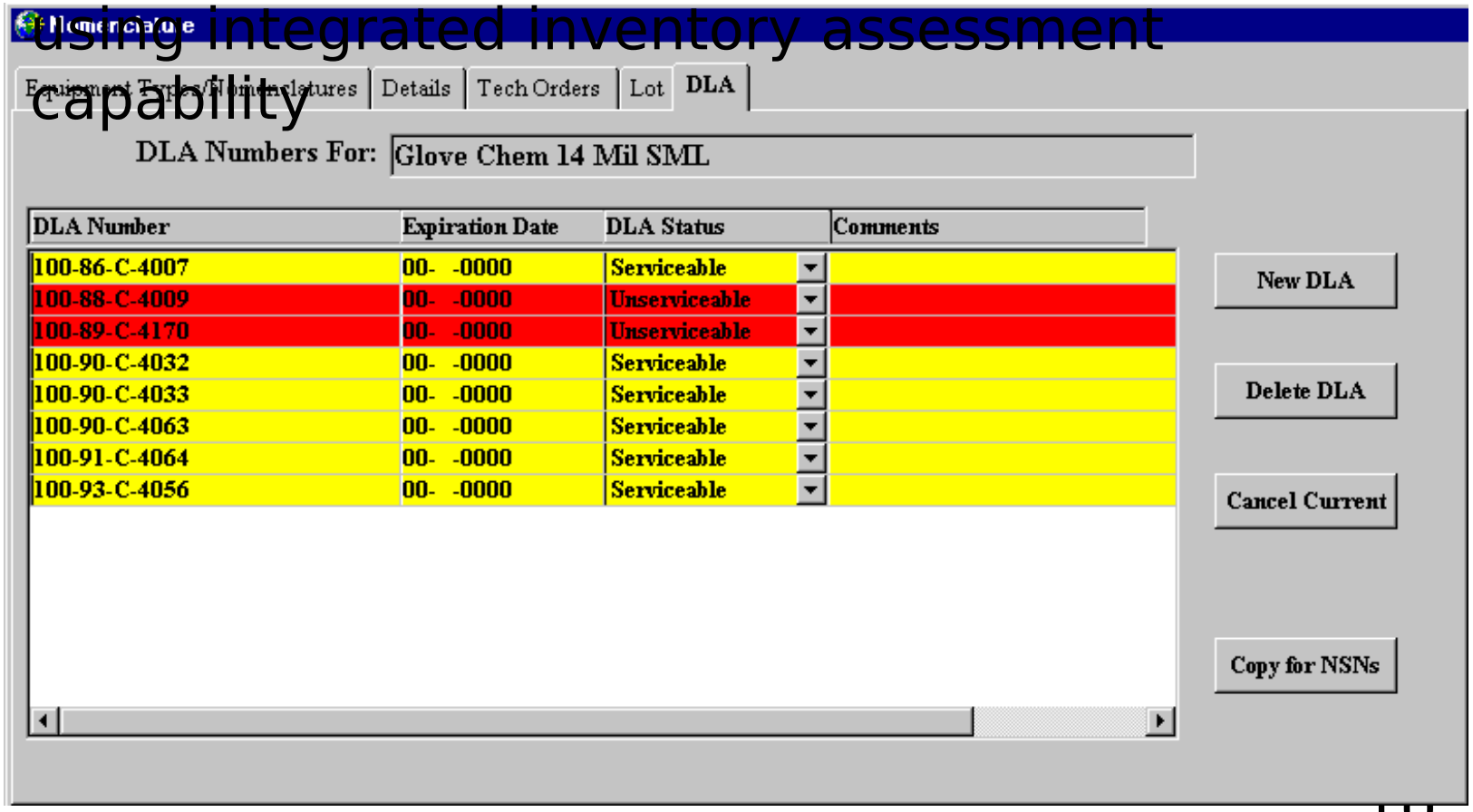
MICAS Capabilities

Ensures troops deploy with serviceable assets with integrated feedback



MICAS Capabilities

Expired assets identified and removed from inventory using integrated inventory assessment capability

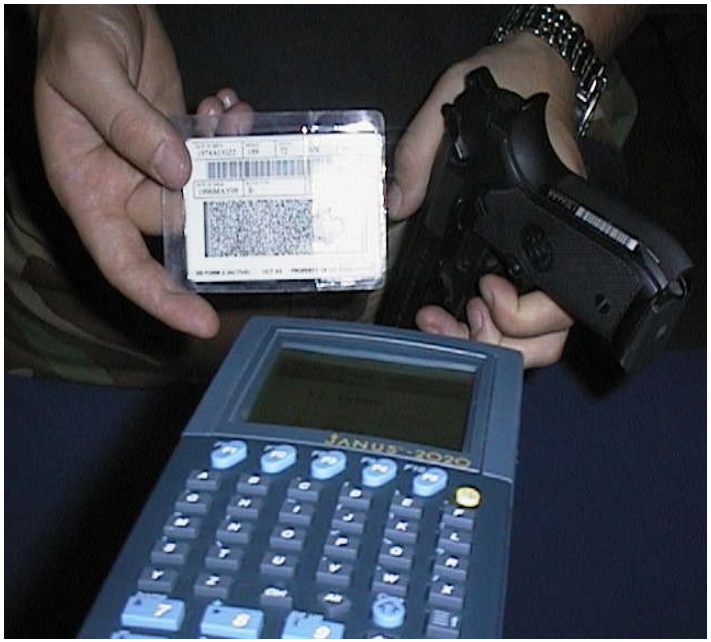


Bar Code Technology

- MICAS uses linear and 2D bar codes and the bar code equipment available from the standard DoD contracts

Bar Code Technology

- MICAS can scan the 2D bar code on the ID card
- MICAS could be used to track weapons, masks, etc., using laser etched bar codes as well as printed bar codes



Bar Code Technology

MICAS uses linear and two dimensional (2D) bar codes to automate data collection.

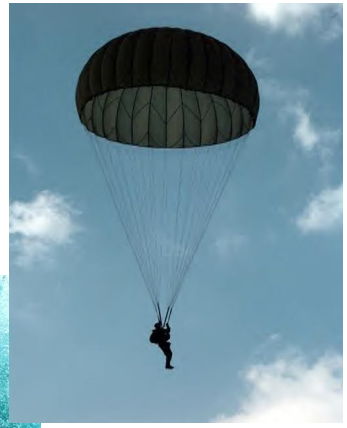
Core warehouse functions

Fort Hood DOL receiving depot shipment using MICAS and AIT

MICAS Relationship to Enterprise Resource Planning and Joint Staff

- Coordination integrating MICAS into the Army's Enterprise Resource Planning is on-going.
- JPEO-CBD has:
  - Identified Joint Program Manager and assigned to JPM Information Systems. **MICAS program has been formalized** between the Army and Air Force
  - Directed all service IPE AIS to have MICAS roll-up function
  - Providing funding for development of a website to capture Service inventory data.
  - Adapting MICAS for use in reporting Service IPE inventories in support of Congressional reporting

Potential SOCOM MICAS Uses



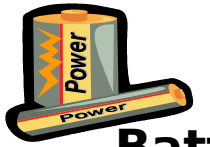
Airdrop gear door bundles

Contingency bundles

OCIE

Scuba gear

Individual chemical protective equipment



Batteries

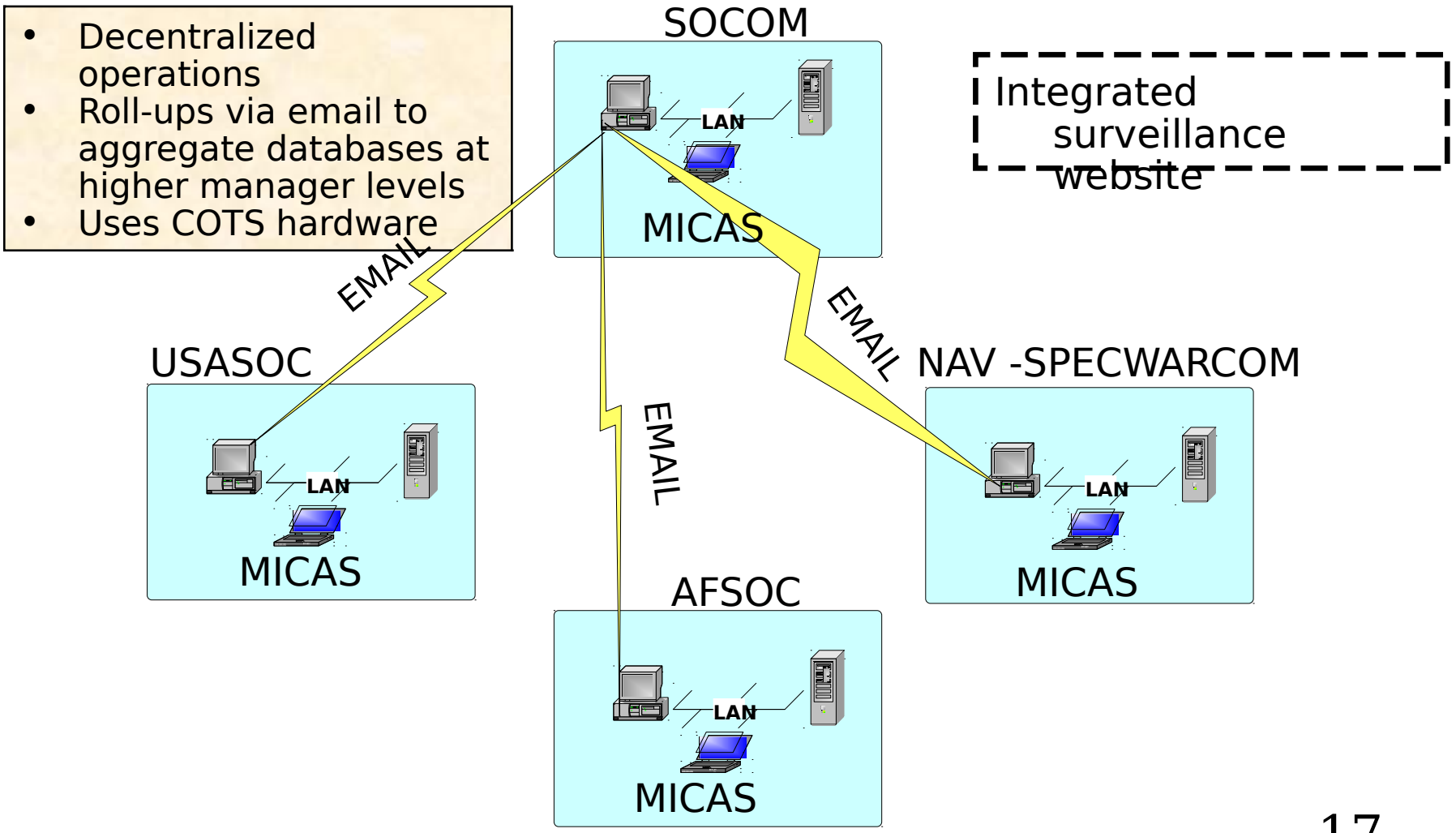
Medical supplies

Weapons

Vehicles

Example Architecture in Special Operations Command

- Decentralized operations
- Roll-ups via email to aggregate databases at higher manager levels
- Uses COTS hardware



Proposed SOCOM MICAS Pilot

- Conduct a pilot at Fort Bragg to experiment with use of MICAS for inventory management in a Special Forces environment
- Tie USASOC and U.S. Army Special Forces Command with 3rd and 7th Special Forces Groups
- Implement MICAS at Group-level to manage IPE
- Conduct the pilot in partnership with HQDA and Army PM, MICAS

Conclusion

- MICAS provides shelf-life management and asset visibility capabilities
- Army is fielding MICAS for IPE management and asset visibility
- MICAS has been formalized as both a Joint and Army program
- MICAS has potential use in support of SOCOM mission needs
- SOCOM conduct a pilot at Fort Bragg

QUESTIONS?

Contact Information

Major John Ensor
Army G-4 Chemical Logistics Officer
Phone: (703) 614-0919 (DSN: 224)
Email: john.ensor@hqda.army.mil